

# Recombinant Rat IL1A/IL-1F1 protein (His tag)

Catalog Number:PDER100082



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

## Description

<b>Synonyms</b>	BAF;Hematopoietin-1;IL1 alpha;IL-1 alpha;IL1;IL1A;IL-1A;IL1-ALPHA;IL1F1;IL-1F1;IL1F1hematopoietin-1;interleukin 1;alpha;interleukin-1 alpha;LAF;LEM;preinterleukin 1 alpha;pro-interleukin-1-alpha
<b>Species</b>	Rat
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Ser 115-Ser 270
<b>Accession</b>	P16598
<b>Calculated Molecular Weight</b>	17.1 kDa
<b>Observed molecular weight</b>	16 kDa
<b>Tag</b>	N-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	Please contact us for more information.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



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## Background

IL-1 alpha (Interleukin-1 alpha) is a cytokine that is induced during microbial exposure and promotes the release of multiple inflammatory mediators and acute phase proteins. It also supports hematopoietic stem cell expansion, promotes neutrophil mobilization from the bone marrow, and promotes osteoclast formation. IL-1 alpha signals through a receptor complex composed of IL-1 RI and IL-1 RAcP. It also binds the decoy receptor IL-1 RII which associates with IL-1 RAcP but does not transduce signaling.

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